

SECRET NO. 14215-055

# DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled the specification of which: **SEMICONDUCTOR DEVICE AND PROCESS FOR FABRICATION THEREOF**

☐ is attached hereto      ☒ was filed on July 8, '96 as Application Serial No. 08/981,702 *(for declaration not accompanying application)*  
with amendment(s) filed *(if applicable)*

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119/§172 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119/172
7-171154	Japan	06/07/1995	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint Frank F. Scheck (Reg. No. 17761), S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Berj A. Terzian (Reg. No. 20060), Gerald J. Flintoft (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebe (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753) and Jon R. Stark (Reg. No. 30111), whose address is Pennie & Edmonds, 1155 Avenue of the Americas, New York, New York 10036, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO: PENNIE & EDMONDS 1155 AVENUE OF THE AMERICAS NEW YORK, N.Y. 10036				DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS (212) 790-9090	
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME		
	TAKEDA	Shinji			
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
	Tsukuba-shi, Ibaraki-ken	Japan	Japan		
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE	
	3-4-3-303, Matsushiro	Tsukuba-shi, Ibaraki-ken	Japan	305	
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME		
	MASUKO	Takashi			
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	Tsukuba-shi, Ibaraki-ken	Japan	Japan		
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE	
	3-4-3-404, Matsushiro	Tsukuba-shi, Ibaraki-ken	Japan	305-	
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME		
	YUSA	Masami			
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
	Shimodate-shi, Ibaraki-ken	Japan	Japan		
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE	
	511-1, Ichinobe	Shimodate-shi, Ibaraki-ken	Japan	308	
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME		
	KIKUCHI	Tooru			
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	Hitachi-shi, Ibaraki-ken	Japan	Japan		
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE	
	4-3-2, Oonumacho,	Hitachi-shi, Ibaraki-ken	Japan	316	
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME		
	MIYADERA	Yasuo			
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
	Tsukuba-shi, Ibaraki-ken	Japan	Japan		
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE	
	1-14-3, Matsushiro	Tsukuba-shi, Ibaraki-ken	Japan	305	
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME		
	MAEKAWA	Iwao			
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
	Hitachi-shi, Ibaraki-ken	Japan	Japan		
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE	
	4-46-24, Nishinarusawa	Hitachi-shi, Ibaraki-ken	Japan	316	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Shinji Takeda</i>	SIGNATURE OF INVENTOR 202 <i>Takashi Masuko</i>	SIGNATURE OF INVENTOR 203 <i>Masami Yusa</i>
DATE March 16, 1998	DATE March 16, 1998	DATE March 16, 1998
SIGNATURE OF INVENTOR 204 <i>Tooru Kikuchi</i>	SIGNATURE OF INVENTOR 205 <i>Yasuo Miyadera</i>	SIGNATURE OF INVENTOR 206 <i>Iwao Maekawa</i>
DATE March 16, 1998	DATE March 16, 1998	DATE March 16, 1998

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SEND CORRESPONDENCE TO: PENNIE & EDMONDS 1155 AVENUE OF THE AMERICAS NEW YORK, N.Y. 10036				DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS (212) 790-9090	
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203	FULL NAME OF INVENTOR	LAST NAME KANEDA	FIRST NAME Aizou	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Yokohama-shi, Kanagawa-ken	STATE OR FOREIGN COUNTRY Japan		COUNTRY OF CITIZENSHIP Japan
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204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Mitsuo Yamasaki</i> DATE March 16, 1998	SIGNATURE OF INVENTOR 202 <i>Akira Kageyama</i> DATE March 16, 1998	SIGNATURE OF INVENTOR 203 <i>Aizou Kaneda</i> DATE March 16, 1998
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Shinji TAKEDA, et al. ) Atty. Docket: TM&K0003  
Serial No. 08/981,702 ) Group Art Unit: 2814  
Filed: January 6, 1998 ) Examiner: D. GRAYBILL  
For: SEMICONDUCTOR DEVICE AND )  
PROCESS FOR FABRICATION )  
THEREOF )

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

The undersigned hereby revokes any and all powers of attorney heretofore granted and hereby appoints the firm of GRIFFIN & SZIPL, PC, Suite PH-1, 2300 Ninth Street South, Arlington, Virginia 22204-2320, United States of America, Telephone No.: (703) 979-5700, Facsimile No.: (703) 979-7429, and individually the partners thereof, Joerg-Uwe Szipl, Reg. No. 31,799 and B. Franklin Griffin, Jr., Reg. No. 19,334, as well as any associates thereof, as attorneys to prosecute the above-identified application and to transact all business in the Patent and Trademark Office connected therewith.

HITACHI CHEMICAL COMPANY, LTD.

By: Genichi Matsumoto

Typed Name: Genichi Matsumoto

Title: General Manager, Intellectual Property Dept.  
(Authorized Signing Officer)

Date: May 26, 2000